ST-S530ES

SERVICE MANUAL

UK Model
West Germany Model
Italian Model

Photo: UK model

SPECIFICATIONS

Circuit System	FM stereo, FM/AM super-heterodyne tuner PLL quartz-locked digital synthesizer system
Power requirements	West Germany, Italian model: 220 V AC UK model: 240 V 50/60 Hz
Power consumption	10 watts
Dimension	Approx. 430 x 85 x 365 mm (w/h/d) (17 x $3^3/_8$ x $14^3/_8$ inches)
Weight	Approx. 3.9 kg (8 lb 10 oz)
Accessories Supplied	Connecting Cord (1) FM ribbon antenna (1) AM loop antenna (1) Antenna connector (1)

AM tuner		
Tuning range		MW: 522–1,611 kHz (9 kHz step) LW: 153–279 kHz (1kHz step)
Intermediate frequency		450 kHz
Usable sensitivity		
MW	AM loop antenna	250 µV/m
	External antenna	30 µV/m
LW	AM loop antenna	700 µV/m
	External antenna	200 µV/m
Signal-to-noise ratio		50 dB
Harmonic distortion		0.3%
Selectivity		at 9 kHz: 50 dB

FM tuner		
Tuning range		87.5–108 MHz
Intermediate frequency		10.7 MHz
Sensitivity at 46 dB quieting		16.8 dBf, 1.8 µV (mono) 38.5 dBf, 23 µV (stereo)
Usable sensitivity		11.2 dBf, 1.0 V (IHF)
Signal-to-noise ratio	at 75 kHz deviation (Canadian model)	85 dB (mono) 82 dB (stereo)
	at 40 kHz deviation (Models for other countries)	80 dB (mono) 76 dB (stereo)
Harmonic distortion		0.035% (mono) 0.045% (stereo)
Separation at 1 kHz		60 dB
Selectivity	at 400 kHz	80 dB
	at 300 kHz	65 dB

FM STEREO/FM-AM TUNER

SONY®

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–MODEL IDENTIFICATIONS–

Italian Model

SONY MODEL NO. ST-S530ES
FM STEREO/FM-AM TUNER
AC 220 V ~ 50/60 Hz
SERIAL NO.
MADE IN JAPAN

UK Model

SONY MODEL NO. ST-S530ES
FM STEREO/FM-AM TUNER
AC 240 V ~ 50/60 Hz
SERIAL NO.
MADE IN JAPAN

West Germany Model

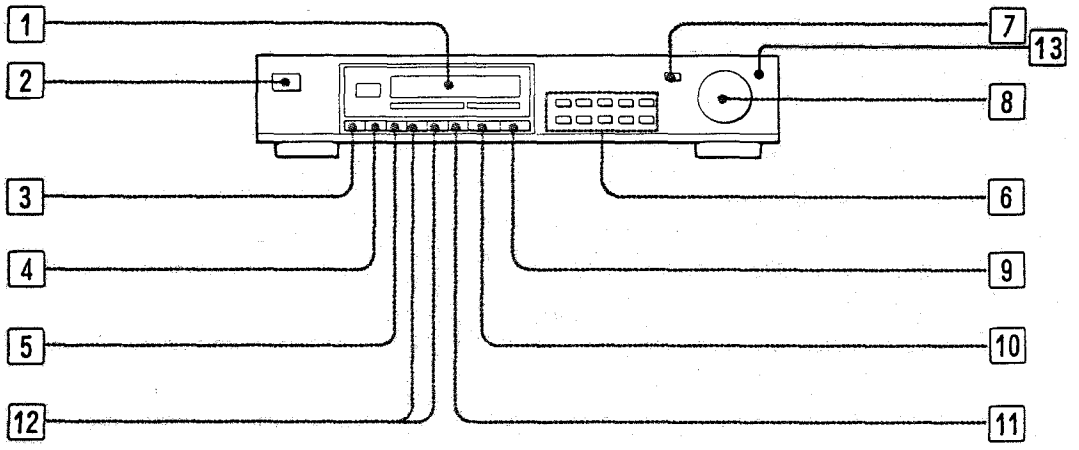
SONY MODEL NO. ST-S530ES
FM STEREO/FM-AM TUNER
AC 220 V ~ 50/60 Hz 10 W
SERIAL NO.
MADE IN JAPAN

SAFETY-RELATED COMPONENT WARNING!!

COMPONENTS IDENTIFIED BY MARK ⚠ OR DOTTED LINE WITH MARK ⚠ ON THE SCHEMATIC DIAGRAMS AND IN THE PARTS LIST ARE CRITICAL TO SAFE OPERATION. REPLACE THESE COMPONENTS WITH SONY PARTS WHOSE PART NUMBERS APPEAR AS SHOWN IN THIS MANUAL OR IN SUPPLEMENTS PUBLISHED BY SONY.

SECTION 1
GENERAL

LOCATION OF CONTROLS



1 Display window
2 POWER switch
3 CAL TONE (calibrating tone) button
Press this button to obtain a 400 Hz, 50% modulated signal for adjusting the recording level on a cassette deck. The indicator lights when a 400 Hz calibrating tone signal is provided. To deactivate the calibrating tone circuit, press the button again.
4 TUNE MODE (tuning mode) button
5 MUTING button
6 PRESET buttons and indicators
7 PRESET/TUNING button
8 TUNING knob
9 SHIFT button
10 MEMORY button
11 Band selector
FM/MW/LW
12 FM MODE button
HI-BLEND button
HI-BLEND: Select this position when the high-frequency sound is noisy in the FM band. The high-frequency noise will be reduced, but this lowers the stereo effect.
MONO: Select this position when you tune in a very weak or noisy FM station. Although this eliminates the stereo effect, the noise will be greatly reduced.
13 ANT ATT switch (West Germany, Italian model)

SECTION 2
ADJUSTMENTS

· Refer to Adjustnment Location on page 6.

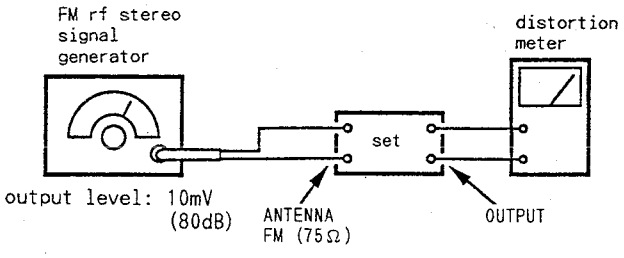
Note:
As a front-end (FE150, FE401, etc.) is difficult to repair if faulty, replace it with new one.

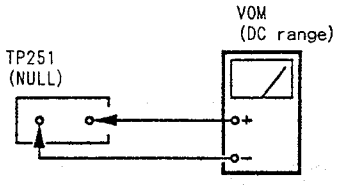
FM SECTION

· Standard Setting of FM Stereo RF Signal Generator.

STEREO STANDARD SIGNAL	MONAURAL STANDARD SIGNAL
Carrier frequency: 98MHz Moduration: Audio 1kHz, 16.25kHz deviation (40.6%) Sub-channel 38kHz, 16.25kHz deviation (40.6%) Pilot 19kHz, 7.5kHz deviation (18.8%)	98MHz 1kHHz, 40kHz deviation (100%)

FM Discriminator Alignment (NULL and MONO Distortion)

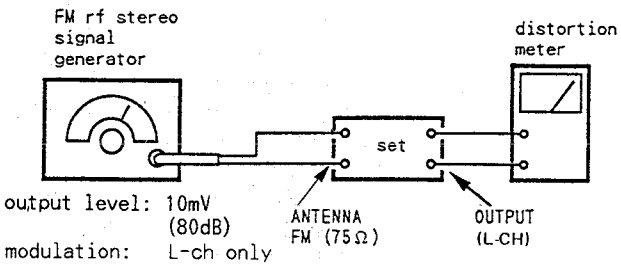




Procedure:
1. Tune the set to 98MHz.
2. Adjust IFT251 for 0V reading on the VOM. ····· NULL
3. Adjust IFT252 for a minimum reading on the distortion meter. ····· MONO Distortion
4. Repeat the alignments of 2. and 3. several times.

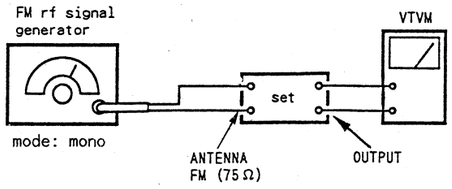
Note: When replacing the ceramic filter, perform this alignment.

FM Stereo THD Adjustment



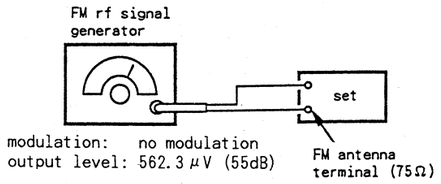
Procedure:
1. Tune the set to 98MHz.
2. Adjust T1 in FE150 for a minimum reading on the distortion meter.

FM Muting Level Adjustment



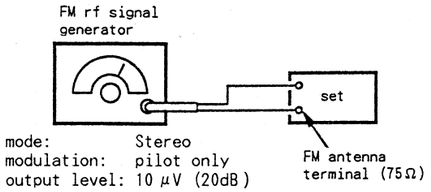
Procedure:
1. Tune the set to 98MHz.
2. Set SSG output level to 17.8 μV (25dB).
3. Adjust RV253 so that the reading on VTVM becomes within 14.1 μV (23dB)—22.4 μV (27dB).

FM Signal Meter Adjustment



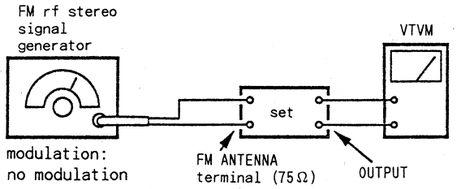
Procedure:
1. Tune the set to 98MHz.
2. Adjust RV251 to the place where level 5 in the signal strength indicator turns from dark to light.

FM Stereo Indication Lighting Level Adjustment



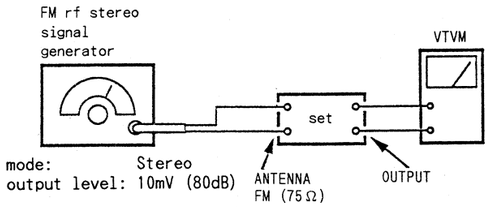
Procedure:
1. Tune the set to 98MHz.
2. Adjust RV252 to the place where STEREO indication lights.

Pilot Cancel Adjustment



Procedure:
1. Tune the set to 98MHz.
2. Adjust RV303 for such a minimum reading on VTVM that the levels of L-ch and R-ch are equal.

FM Stereo Separation Adjustment

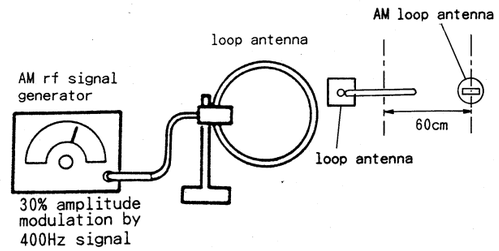


Procedure:

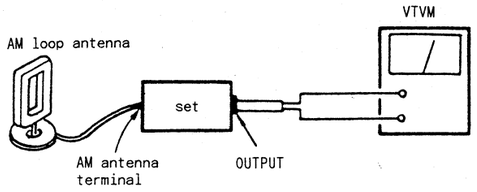
FM stereo signal generator output channel	VTVM connection	VTVM reading (dB)
L-CH	L-CH	Ⓐ
R-CH	L-CH	Ⓑ Adjust RV301 for minimum reading.
R-CH	R-CH	Ⓒ
L-CH	R-CH	Ⓓ Adjust RV302 for minimum reading.

L-CH Stereo separation: Ⓐ - Ⓑ
R-CH Stereo separation: Ⓒ - Ⓓ
The separation of both channels should be equal.

AM SECTION



Carrier frequency: 216kHz (LW Band)

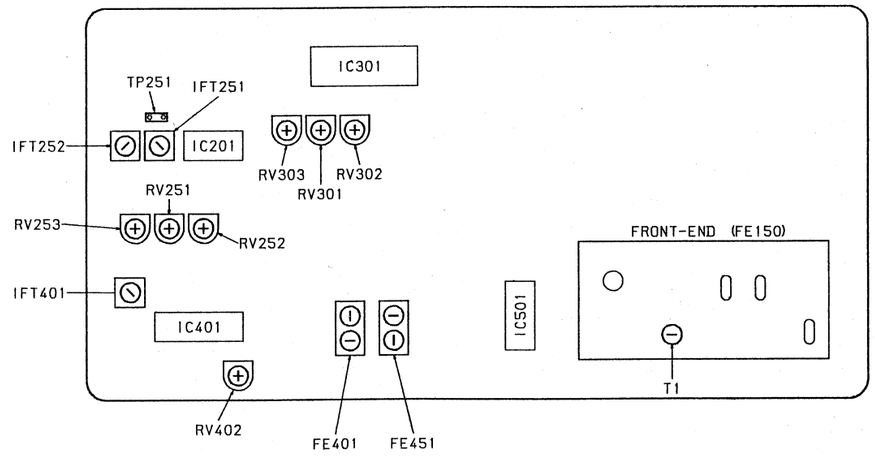


dBμ/m=(SSG output level)-26dB

AM Meter Level Adjustment

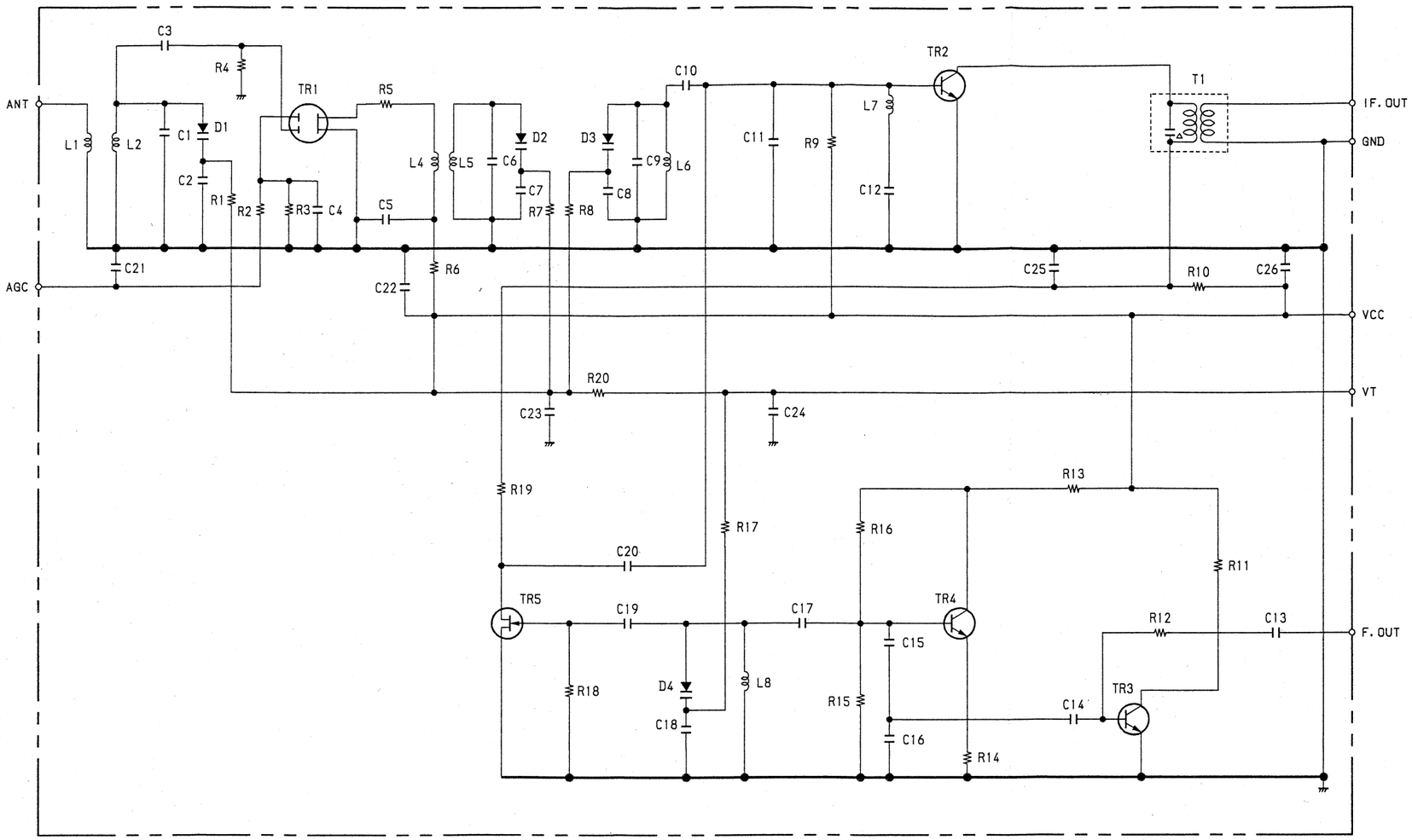
Procedure:
1. Set SSG output level so that antenna input level of the set becomes 5.0mV (74dB).
2. Adjust RV402 to the place where level 5 in the signal strength indicator turns from dark to light.

Adjustment Location: Main Board



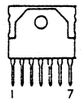
SECTION 3
DIAGRAMS

3-1. FM FRONT END (FE150)



3-2. SEMICONDUCTOR LEAD LAYOUTS

LA5667



LB1493

DTC144ES
2SC2669
2SC634SP-48

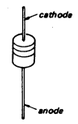
2SA733-K
2SC3622-L

2SC2785

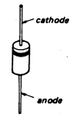
2SK30A-GR3
2SK246-GR2

2SK161-GR

HZS9B



RD24E-L2
US1060M
10E2N

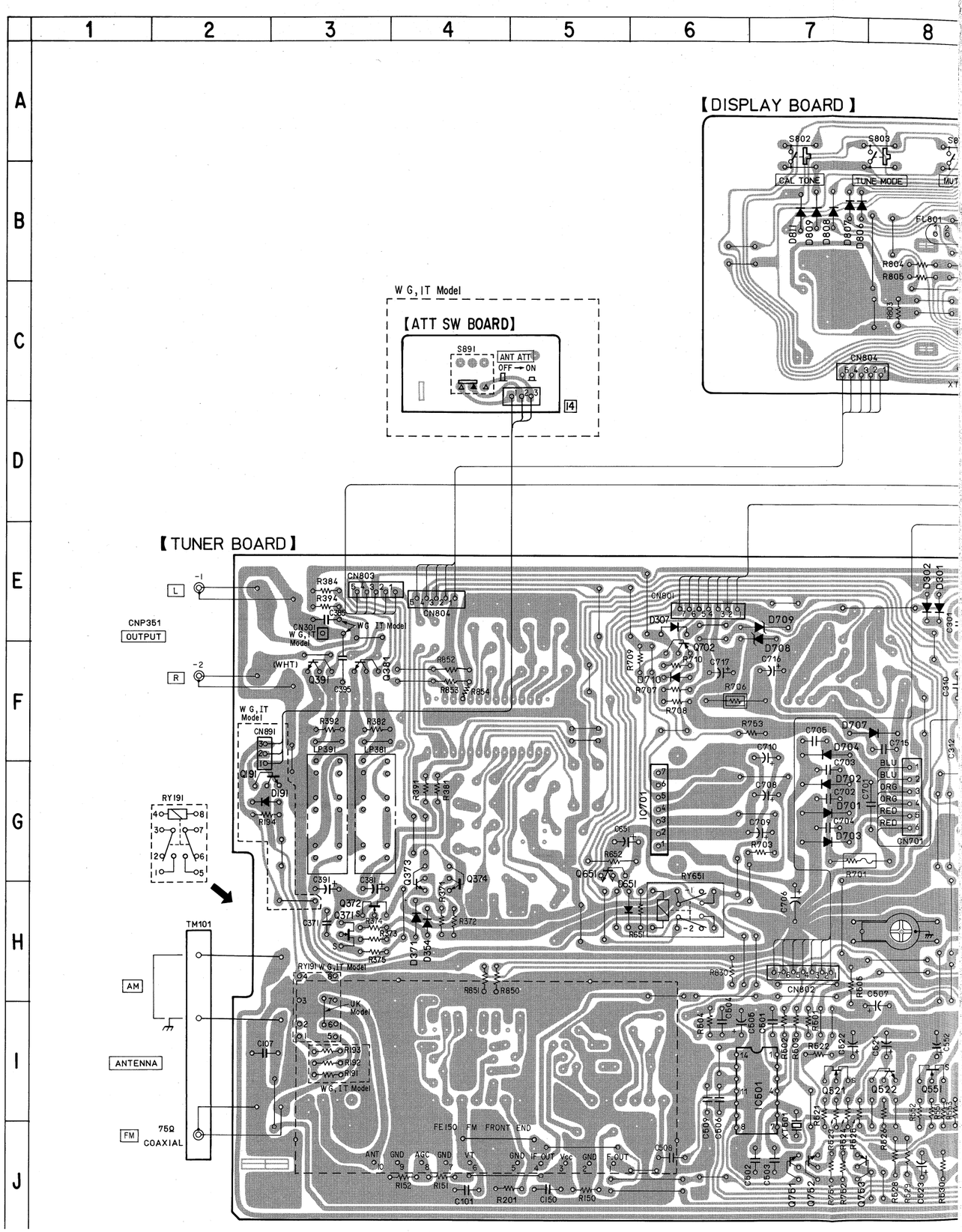


3-3. PRINTED WIRING BOARDS

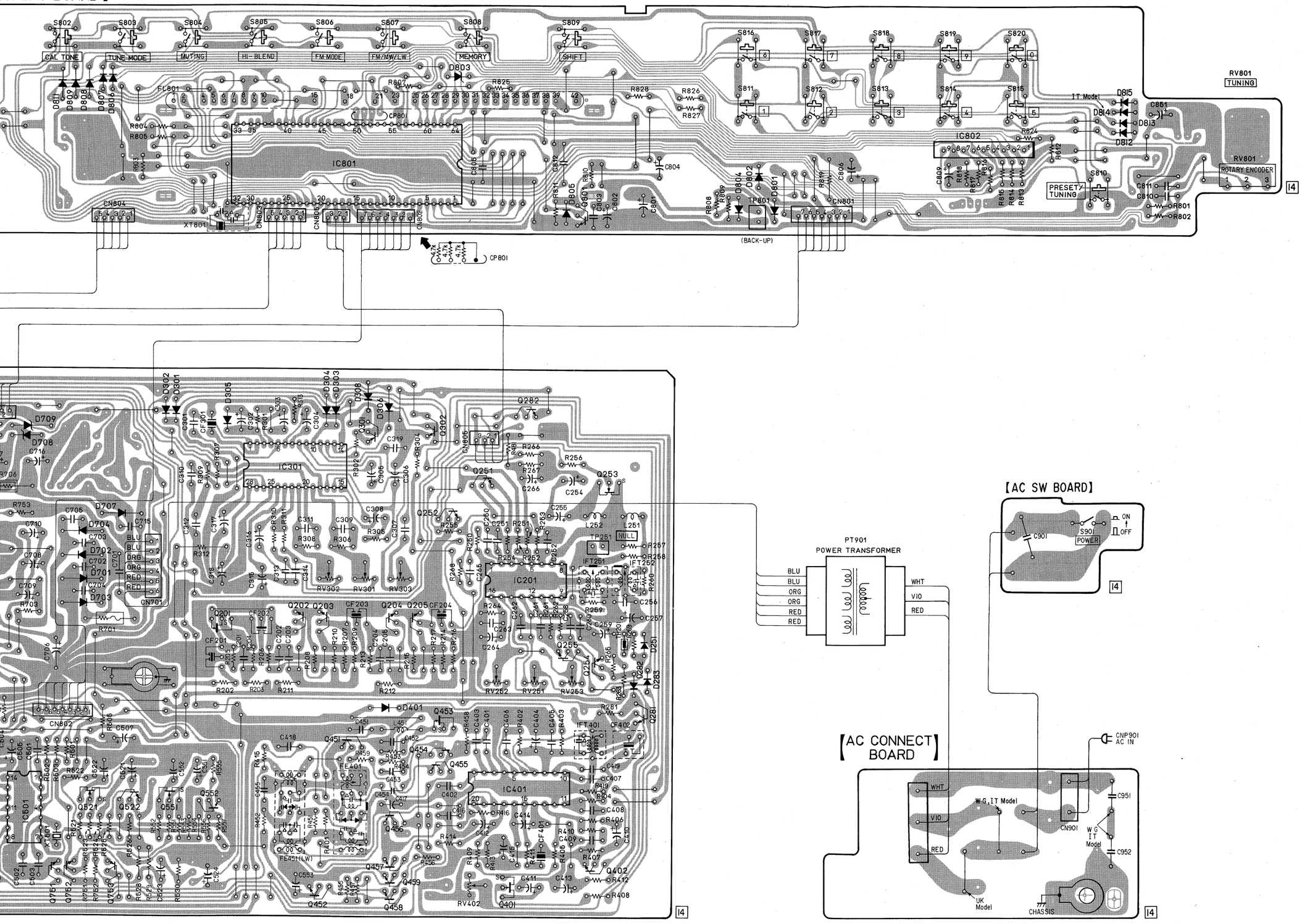
SEMICONDUCTOR LOCATION

Ref. No.	Location	Ref. No.	Location
D191	G-2	IC802	C-16
D251	H-13		
D282	H-13	Q191	G-2
D283	H-13	Q201	G-9
D301	E-8	Q202	G-9
D302	E-8	Q203	G-10
D303	E-10	Q204	G-10
D304	E-10	Q205	G-11
D305	E-9	Q251	F-11
D306	E-10	Q252	F-11
D307	E-6	Q253	F-13
D308	E-10	Q254	H-12
D354	H-4	Q255	H-12
D371	H-4	Q281	H-13
D401	H-10	Q282	E-12
D651	H-5	Q301	E-10
D701	G-7	Q302	E-11
D702	G-7	Q371	H-3
D703	G-7	Q372	H-3
D704	F-7	Q373	H-4
D707	F-8	Q374	H-4
D708	F-7	Q381	F-3
D709	F-7	Q391	F-3
D710	F-6	Q401	J-11
D801	C-14	Q402	J-12
D802	C-14	Q451	I-10
D803	B-11	Q452	J-10
D804	C-14	Q453	H-11
D806	C-12	Q454	I-11
D807	B-7	Q455	I-11
D808	B-7	Q456	I-11
D809	B-7	Q457	J-11
D811	B-7	Q458	J-11
D812	B-18	Q459	J-11
D813	B-18	Q521	I-7
D814	B-18	Q522	I-8
D815	B-18	Q551	I-8
		Q552	I-9
IC201	G-12	Q651	G-5
IC301	F-9	Q702	F-6
IC401	I-12	Q751	J-7
IC501	I-7	Q752	J-7
IC701	G-6	Q753	J-7
IC801	C-10	Q801	C-12

- ○—— : parts extracted from the component side.
- [ ]+ : indicates side identified with part number.
- abbreviation
  WG: West Germany
  IT: Italian



ISPLAY BOARD]


S802
S803
S804
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S806
S807
S808
S809
S816
S817
S818
S819
S820
S811
S812
S813
S814
S815
CAL TONE
TUNE MODE
MUTING
HI-BLEND
FM MODE
FM/MW/LW
MEMORY
SHIFT
D803
FL801
IC801
CP801
CN804
XT801
CN802
CN803
CN805
CN802
R807
R825
R828
R826
R827
R804
R805
R813
C805
C812
C804
C801
C802
C803
R801
R810
D805
Q801
R808
R809
D804
D802
D801
TP801
(BACK-UP)
CN801
R816
C806
IC802
R624
R612
C809
R818
R817
R815
R814
R813
PRESET/
TUNING
S810
IT Model
D815
D814
D813
D812
C851
C811
C810
R801
R802
RV801
TUNING
RV801
ROTARY ENCODER
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D709
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D707
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C703
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R753
R703
R701
BLU
BLU
ORG
ORG
RED
RED
CN701
IC301
D302
D301
D305
D304
D303
D306
Q282
R256
R266
R267
C266
C254
Q253
Q251
Q252
R255
C255
L252
L251
NULL
R257
R258
TP251
IFT251
IFT252
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R253
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C265
R246
IC201
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R266
Q255
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R281
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IFT401
C419
C407
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Q402
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RV402
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Q454
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C453
C454
C417
Q455
IC401
C418
Q451
R459
FE401
R415
R455
R452
R451
R401
C455
C456
FE451(LW)
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Q459
Q458
Q452
C553
R455
R457
R456
C457
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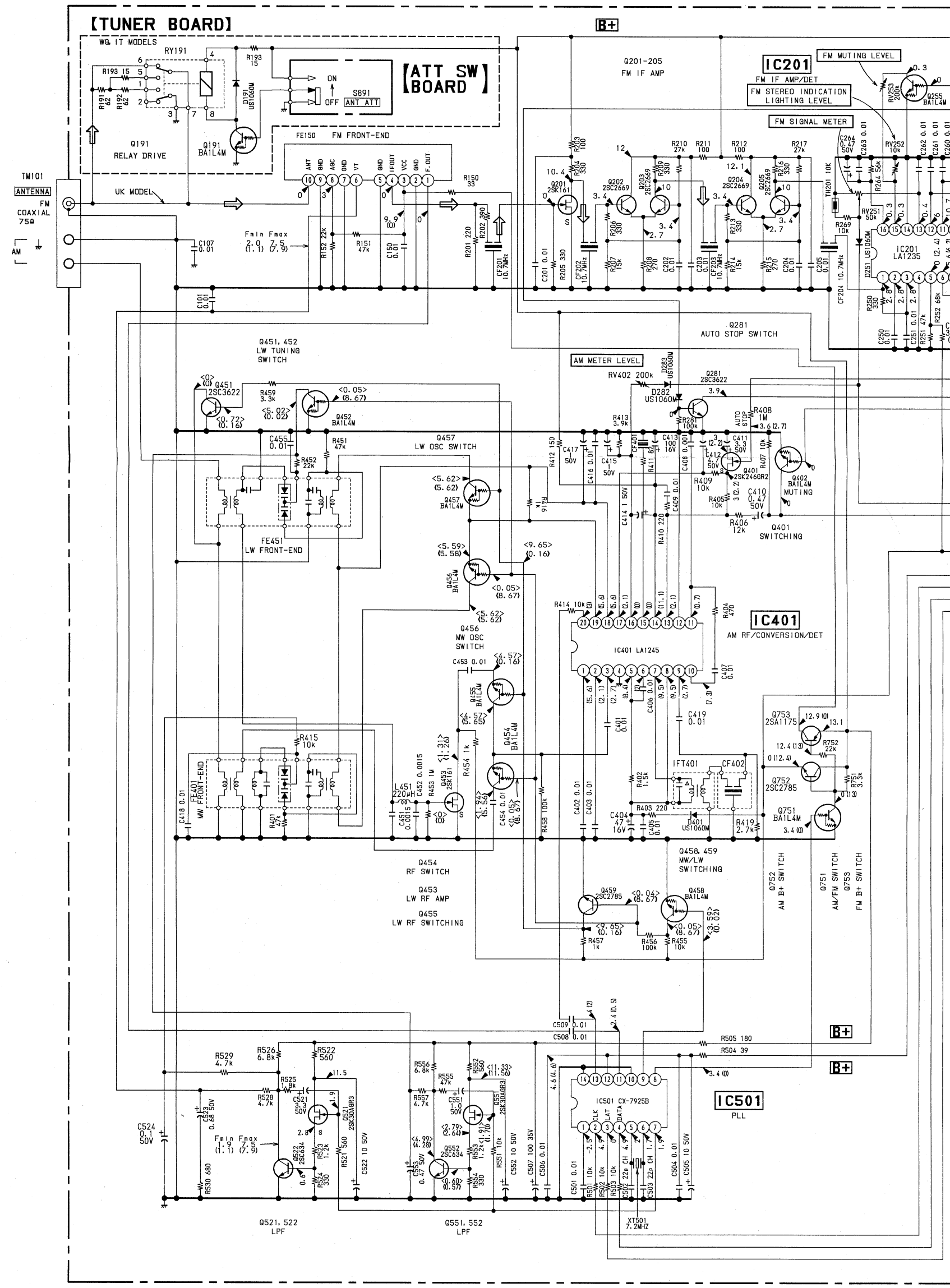
C540

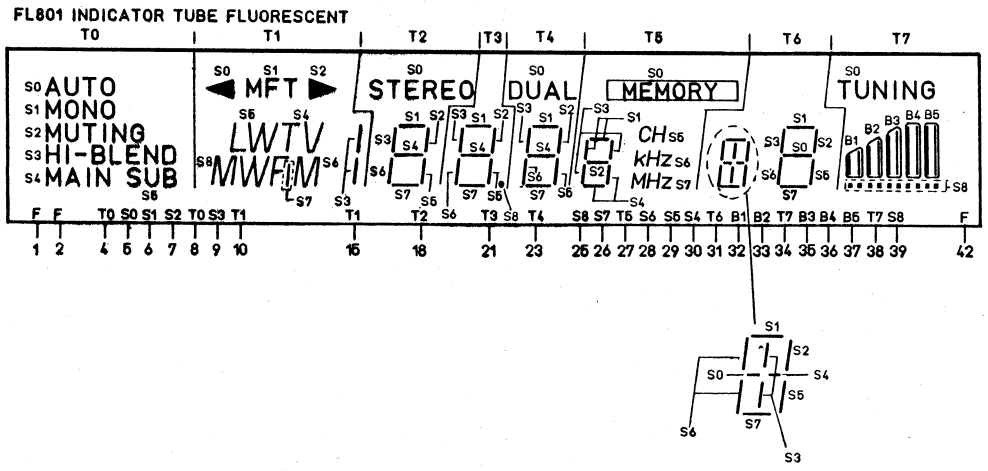
3-4. SCHEMATIC DIAGRAM

【TUNER BOARD】

【ATT SW BOARD】



FL801 INDICATOR TUBE FLUORESCENT



Q254, 255
AUTO STOP SWITCH

RV301, 302
FM STEREO
SEPARATION

Q381, 391
MUTING

B+

*1	WG, IT	UK
C309 C311	390P	430P
R305	27K	33K
R306	150K	120K
R308	150K	120K

Q282
CAL TONE
METER SWITCH

Q251
BUFFER

Q252
SWITCHING

Q301
CAL TONE
SWITCH

Q302
CAL TONE
SWITCH

Q372, 374
HI-BLEND
SWITCH

Q371, 373
CONSTRAIN MONO
SWITCH

IC701 LA5667

WG, IT
MODELS

Q651 2SC2458
RELAY DRIVE

RY651-1

RY651-2

B−

CN805B CN804B CN803B CN802B CN801B
CN805A CN804A CN803A CN802A CN801A

【 DISPLAY BOARD 】

IC802
SIGNAL DRIVE

IC802 LB1493

IC801
SYSTEM CONTROL

IC801 μPD75208-274

Q801
RESET

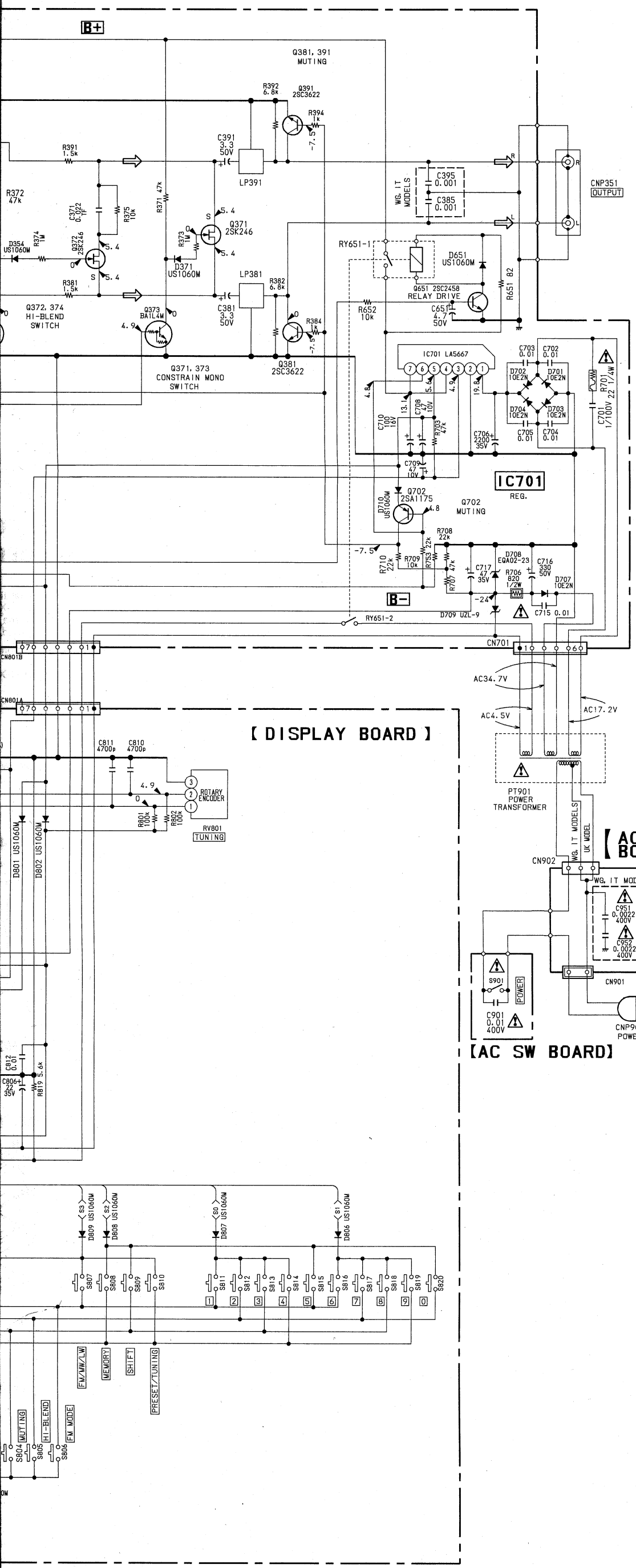
FL801
FLUORESCENT
INDICATOR TUBE

IT MODEL

ROTARY
ENCODER

RV801
TUNING

CAL TONE
TUNE MODE
MUTING
HI-BLEND
FM MODE
FM/MW/LW
MEMORY
SHIFT
PRESET/TUNING

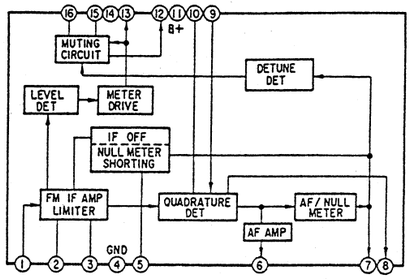


- All capacitors are in μF unless otherwise noted. pF: μμF 50WV or less are not indicated except for electrolytics and tantalums.
- All resistors are in Ω and ¼ W or less unless otherwise specified.
- △ : internal component.
- : nonflammable resistor.
- : fusible resistor.
- B + : B +LINE
- B − : B −LINE
- : adjustment for repair.
- Voltage and waveforms are dc with respect to ground under no signal (detuned) conditions.
  no mark: FN
  ( ) : AM
  < >: LW
  《 》: MW
- Voltages are taken with a VOM.
  (Input impedance 10MΩ)
  Voltage variations may be noted due to normal production torerances.
- Signal path.
  ⇨ : FM
- abbreviation
  WG: West Germany
  IT: Italian

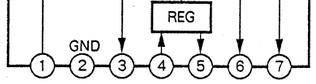
Note: The components identified by mark ⚠ or dotted line with mark ⚠ are critical for safety.
Replace only with part number specified.

3-5. IC BLOCK DIAGRAM

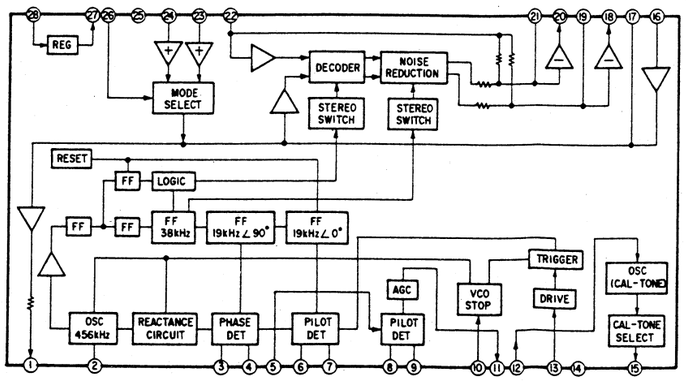
IC201 LA1235



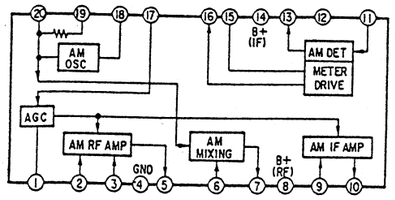
IC701 LA5667



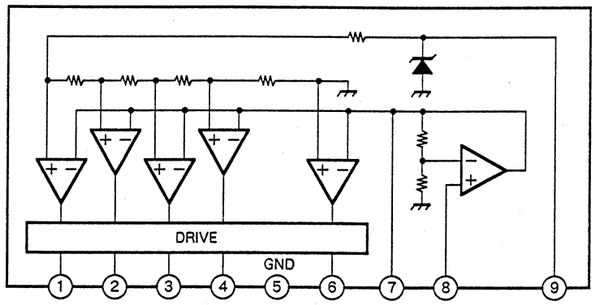
IC301 CXA1064S



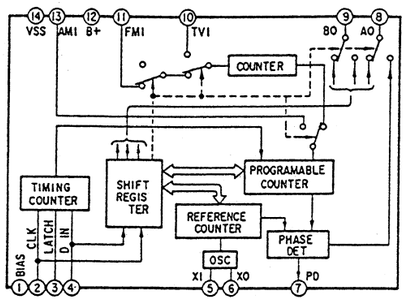
IC401 LA1245



IC802 LB1493



IC501 CX7925B



SECTION 4
EXPLODED VIEW

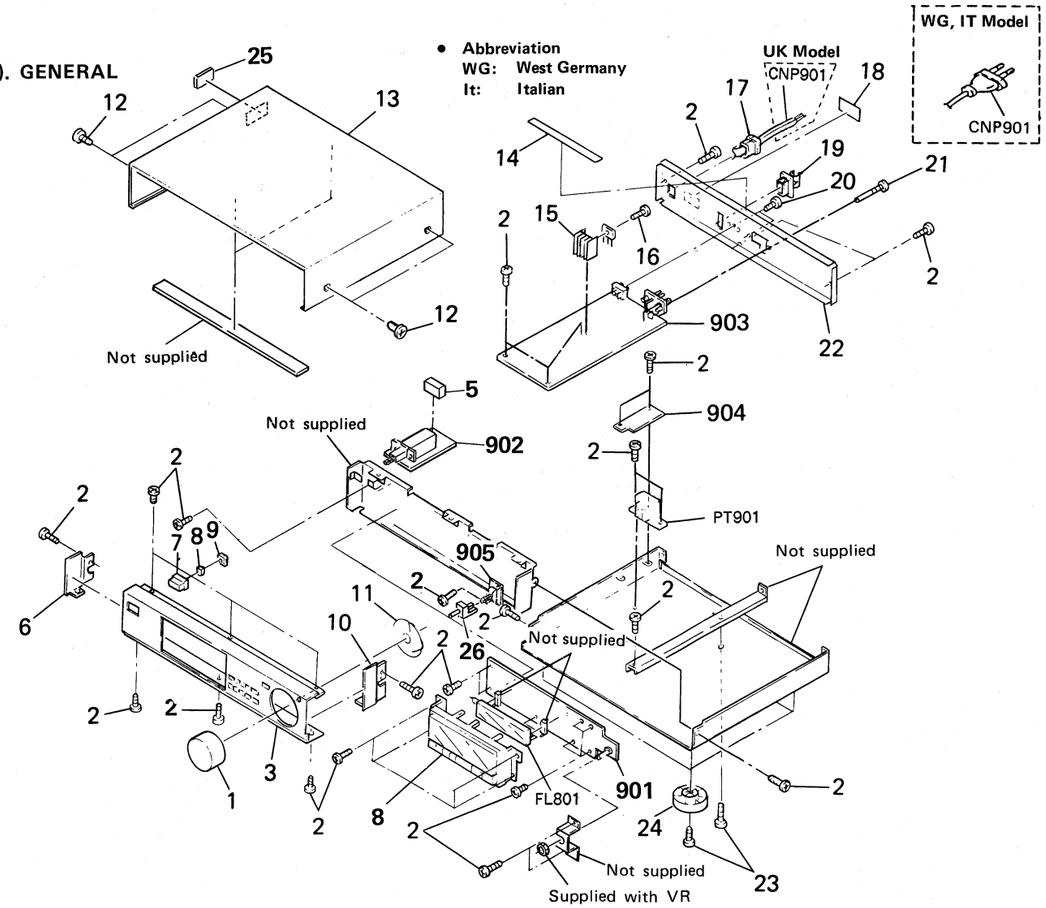
NOTE:

- The mechanical parts with no reference number in the exploded views are not supplied.
- The construction parts of an assembled part are indicated with a collation number in the remark column.
- Items marked "★" are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.
- Due to standardization, parts with part number suffix -XX and -X may be different from the parts specified in the components used on the set.
- Color Indication of Appearance Parts
  Example:
  (RED) . . . KNOB, BALANCE (WHITE)
  ↑ Cabinet's Color ↑ Parts' Color

The components identified by mark ⚠ or dotted line with mark ⚠ are critical for safety.
Replace only with part number specified.

(1). GENERAL

- **Abbreviation**
  WG: West Germany
  It: Italian



Ref.No	Part No.	Description	Remark
1	4-911-359-01	KNOB	
2	7-682-547-09	SCREW +BV 3X6, S TIGHT	
3	A-4323-067-A	(UK)....PANEL ASSY, FRONT	
3	A-4323-236-A	(WG, IT)....PANEL ASSY, FRONT	
5	*4-908-854-11	CUSHION	
6	*4-911-361-01	PLATE (LEFT), ORNAMENTAL	
7	4-908-046-01	KNOB, SQUARE	
8	A-4323-072-A	ESCUTCHEON ASSY	
9	4-864-307-00	RING	
10	*4-911-362-01	PLATE (RIGHT), ORNAMENTAL	
11	*4-911-372-01	CLOTH, BLIND	
12	4-886-821-01	SCREW, M3 CASE	
13	4-923-420-61	CASE	
14	*4-926-828-11	PLATE, LIGHT INTERCEPTION	
15	*4-921-402-11	HEAT SINK	
16	7-682-548-09	SCREW B 3X8	
17	*3-703-244-00	BUSHING (2104), CORD	
18	4-911-378-01	(IT)....LABEL, MODEL NUMBER	
18	4-911-380-01	(UK)....LABEL, MODEL NUMBER	
18	4-911-382-01	(WG)....LABEL, MODEL NUMBER	
19	*4-908-019-01	HOLDER (A), ANTENNA	
20	7-685-646-79	SCREW +BVTP 3X8 TYPE2 N-S	
21	4-887-711-21	SCREW, TERMINAL, CLAW, + BVTP	
22	*4-911-369-11	PANEL, BACK	
23	7-685-872-09	SCREW +BVTT 3X8 (S)	
24	X-3304-944-1	FOOT ASSY	
25	*3-703-079-21	(UK)....LABEL, CAUTION (BACK)	
26	4-923-879-01	(WG, IT)....BUTTON (DIA.4)	
901	*A-4474-663-A	(WG, UK)....MOUNTED PCB, DISPLAY	
901	*A-4474-666-A	(IT)....MOUNTED PCB, DISPLAY	
902	*1-629-883-11	PC BOARD, AC SW	
903	*A-4351-709-A	(UK)....MOUNTED PCB, TUNER	
903	*A-4351-710-A	(WG, IT)....MOUNTED PCB, TUNER	
904	*1-629-881-11	(WG,IT).....PC BOARD, AC CONNECT	
905	*1-631-963-11	(WG, IT)....PC BOARD, ATT SW	
⚠PT901	.1-449-504-11	TRANSFORMER, POWER	
⚠CNP901	.1-574-804-11	(UK)....CORD, POWER	
⚠CNP901	.1-574-805-11	(WG, IT)....CORD, POWER	

NOTE:

- Due to s
  list may
  the diagr
- Items m
  are seldo
  delay sh
  items.
- If there
  such as
  circuit pa
  resistors

Ref.No	Part No.
901	*A-4474-66
901	*A-4474-66
902	*1-629-883
903	*A-4351-7(
903	*A-4351-71
904	*1-629-881
905	*1-631-963
C101	1-101-004
C107	1-161-379
C150	1-161-379
C201	1-161-379
C202	1-161-379
C203	1-161-379
C204	1-161-379
C205	1-161-379
C250	1-161-379
C251	1-161-379
C252	1-110-341
C254	1-124-257
C255	1-124-257
C256	1-161-379
C257	1-124-443
C258	1-161-379
C259	1-123-321
C260	1-161-379
C261	1-161-379
C262	1-161-379
C263	1-161-379
C264	1-124-465
C265	1-161-379
C266	1-124-438
C301	1-136-161
C302	1-124-465
C303	1-124-438
C304	1-124-438
C305	1-124-438
C306	1-124-465
C307	1-130-483
C308	1-124-465
C309	1-104-292
C309	1-104-293
C310	1-130-475
C311	1-104-292
C311	1-104-293
C312	1-130-475
C313	1-162-217
C314	1-162-217
C315	1-126-618
C316	1-124-438

SECTION 5
ELECTRICAL PARTS LIST

NOTE:

- Due to standardization, replacements in the parts list may be different from the parts specified in the diagrams or the components used on the set.
- Items marked "★" are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.
- If there are two or more same circuits in a set such as a stereophonic machine, only typical circuit parts may be indicated and capacitors and resistors in other same circuits may be omitted.

CAPACITORS:
MF: μF, PF: μμF.

RESISTORS
- All resistors are in ohms.
- F: nonflammable

COILS
- MMH: mH, UH: μH

SEMICONDUCTORS
In each case, U: μ, for example:
UA...: μA..., UPA...: μPA..., UPC...: μPC, UPD...: μPD...

The components identified by mark ⚠ or dotted line with mark ⚠ are critical for safety.
Replace only with part number specified.

Ref.No	Part No.	Description
901	*A-4474-663-A	(WG, UK)....MOUNTED PCB, DISPLAY
901	*A-4474-666-A	(IT)....MOUNTED PCB, DISPLAY
902	*1-629-883-11	PC BOARD, AC SW
903	*A-4351-709-A	(UK)....MOUNTED PCB, TUNER
903	*A-4351-710-A	(WG, IT)....MOUNTED PCB, TUNER
904	*1-629-881-11	PC BOARD, AC CONNECT
905	*1-631-963-11	(WG,IT)....PC BOARD, ATT SW

CAPACITOR

Ref.No	Part No.	Description			
C101	1-101-004-00	CERAMIC	0.01MF		50V
C107	1-161-379-00	CERAMIC	0.01MF	30%	16V
C150	1-161-379-00	CERAMIC	0.01MF	30%	16V
C201	1-161-379-00	CERAMIC	0.01MF	30%	16V
C202	1-161-379-00	CERAMIC	0.01MF	30%	16V
C203	1-161-379-00	CERAMIC	0.01MF	30%	16V
C204	1-161-379-00	CERAMIC	0.01MF	30%	16V
C205	1-161-379-00	CERAMIC	0.01MF	30%	16V
C250	1-161-379-00	CERAMIC	0.01MF	30%	16V
C251	1-161-379-00	CERAMIC	0.01MF	30%	16V
C252	1-110-341-11	MYLAR	330PF	5%	50V
C254	1-124-257-00	ELECT	2.2MF	20%	50V
C255	1-124-257-00	ELECT	2.2MF	20%	50V
C256	1-161-379-00	CERAMIC	0.01MF	30%	16V
C257	1-124-443-00	ELECT	100MF	20%	10V
C258	1-161-379-00	CERAMIC	0.01MF	30%	16V
C259	1-123-321-00	ELECT	220MF	20%	16V
C260	1-161-379-00	CERAMIC	0.01MF	30%	16V
C261	1-161-379-00	CERAMIC	0.01MF	30%	16V
C262	1-161-379-00	CERAMIC	0.01MF	30%	16V
C263	1-161-379-00	CERAMIC	0.01MF	30%	16V
C264	1-124-465-00	ELECT	0.47MF	20%	50V
C265	1-161-379-00	CERAMIC	0.01MF	30%	16V
C266	1-124-438-00	ELECT	1MF	20%	50V
C301	1-136-161-00	FILM	0.047MF	5%	50V
C302	1-124-465-00	ELECT	0.47MF	20%	50V
C303	1-124-438-00	ELECT	1MF	20%	50V
C304	1-124-438-00	ELECT	1MF	20%	50V
C305	1-124-438-00	ELECT	1MF	20%	50V
C306	1-124-465-00	ELECT	0.47MF	20%	50V
C307	1-130-483-00	MYLAR	0.01MF	5%	50V
C308	1-124-465-00	ELECT	0.47MF	20%	50V
C309	1-104-292-91	(WG, IT).... POLYSTYRENE	390PF	5%	50V
C309	1-104-293-11	(UK).... POLYSTYRENE	430PF	5%	50V
C310	1-130-475-00	MYLAR	0.0022MF	5%	50V
C311	1-104-292-91	(WG, IT).... POLYSTYRENE	390PF	5%	50V
C311	1-104-293-11	(UK).... POLYSTYRENE	430PF	5%	50V
C312	1-130-475-00	MYLAR	0.0022MF	5%	50V
C313	1-162-217-31	CERAMIC	56PF	5%	50V
C314	1-162-217-31	CERAMIC	56PF	5%	50V
C315	1-126-618-11	ELECT	33MF	20%	50V
C316	1-124-438-00	ELECT	1MF	20%	50V
C317	1-126-101-11	ELECT	100MF	20%	10V
C318	1-123-321-00	ELECT	220MF	20%	16V
C319	1-130-483-00	MYLAR	0.01MF	5%	50V
C371	1-136-157-00	FILM	0.022MF	5%	50V
C381	1-123-382-00	ELECT	3.3MF	20%	50V
C385	1-162-294-31	(WG, IT).... CERAMIC	0.001MF	10%	50V
C391	1-123-382-00	ELECT	3.3MF	20%	50V
C395	1-162-294-31	(WG, IT).... CERAMIC	0.001MF	10%	50V
C401	1-161-379-00	CERAMIC	0.01MF	30%	16V
C402	1-161-379-00	CERAMIC	0.01MF	30%	16V
C403	1-161-379-00	CERAMIC	0.01MF	30%	16V
C404	1-124-477-11	ELECT	47MF	20%	16V
C405	1-161-379-00	CERAMIC	0.01MF	30%	16V
C406	1-161-379-00	CERAMIC	0.01MF	30%	16V
C407	1-161-379-00	CERAMIC	0.01MF	30%	16V
C408	1-162-294-31	CERAMIC	0.001MF	10%	50V
C409	1-161-379-00	CERAMIC	0.01MF	30%	16V
C410	1-124-902-00	ELECT	0.47MF	20%	50V
C411	1-123-382-00	ELECT	3.3MF	20%	50V
C412	1-124-927-11	ELECT	4.7MF	20%	50V
C413	1-126-101-11	ELECT	100MF	20%	16V
C414	1-124-499-11	ELECT	1MF	20%	50V
C415	1-124-499-11	ELECT	1MF	20%	50V
C416	1-161-379-00	CERAMIC	0.01MF	30%	16V
C417	1-124-499-11	ELECT	1MF	20%	50V
C418	1-161-379-00	CERAMIC	0.01MF	30%	16V
C419	1-161-379-00	CERAMIC	0.01MF	30%	16V
C451	1-161-374-11	CERAMIC	0.0015MF	30%	16V
C452	1-161-374-11	CERAMIC	0.0015MF	30%	16V
C453	1-161-379-00	CERAMIC	0.01MF	30%	16V
C454	1-161-379-00	CERAMIC	0.01MF	30%	16V
C455	1-161-379-00	CERAMIC	0.01MF	30%	16V
C501	1-161-379-00	CERAMIC	0.01MF	30%	16V
C502	1-102-959-00	CERAMIC	22PF	5%	50V
C503	1-102-959-00	CERAMIC	22PF	5%	50V
C504	1-161-379-00	CERAMIC	0.01MF	30%	16V
C505	1-123-875-11	ELECT	10MF	20%	50V
C506	1-161-379-00	CERAMIC	0.01MF	30%	16V
C507	1-124-122-11	ELECT	100MF	20%	35V
C508	1-161-379-00	CERAMIC	0.01MF	30%	16V
C509	1-161-379-00	CERAMIC	0.01MF	30%	16V
C521	1-123-382-00	ELECT	3.3MF	20%	50V
C522	1-123-875-11	ELECT	10MF	20%	50V
C523	1-124-254-00	ELECT	0.68MF	20%	50V
C524	1-124-463-00	ELECT	0.1MF	20%	50V
C551	1-124-438-00	ELECT	1MF	20%	50V
C552	1-123-875-11	ELECT	10MF	20%	50V
C553	1-124-465-00	ELECT	0.47MF	20%	50V
C651	1-124-927-11	ELECT	4.7MF	20%	50V
C701	1-130-789-00	FILM	1MF	5%	100V
C702	1-101-004-00	CERAMIC	0.01MF		50V
C703	1-101-004-00	CERAMIC	0.01MF		50V
C704	1-101-004-00	CERAMIC	0.01MF		50V

Ref.No	Part No.	Description			
C705	1-101-004-00	CERAMIC	0.01MF		50V
C706	1-124-602-00	ELECT	2200MF	20%	35V
C708	1-124-446-11	ELECT	47MF	20%	10V
C709	1-124-446-11	ELECT	47MF	20%	10V
C710	1-126-101-11	ELECT	100MF	20%	16V
C715	1-101-004-00	CERAMIC	0.01MF		50V
C716	1-124-912-11	ELECT	330MF	20%	50V
C717	1-124-910-11	ELECT	47MF	20%	35V
C801	1-125-548-11	DOUBLE LAYERS	0.1F		5.5V
C802	1-131-377-00	TANTALUM	10MF	10%	6.3V
C803	1-161-379-00	CERAMIC	0.01MF	30%	16V
C804	1-126-162-11	ELECT	3.3MF	20%	50V
C805	1-161-379-00	CERAMIC	0.01MF	30%	16V
C806	1-126-233-11	ELECT	22MF	20%	35V
C809	1-126-233-11	ELECT	22MF	20%	35V
C810	1-161-377-00	CERAMIC	0.0047MF	30%	16V
C811	1-161-377-00	CERAMIC	0.0047MF	30%	16V
C812	1-161-379-00	CERAMIC	0.01MF	30%	16V
C901 ⚠	1-161-744-00	CERAMIC	0.01MF		400V
C951 ⚠	1-161-742-00	(WG, IT).... CERAMIC	0.0022MF	20%	400V
C952 ⚠	1-161-742-00	(WG, IT).... CERAMIC	0.0022MF	20%	400V
CF201	1-567-389-11	FILTER, CERAMIC (10.7MHz)			
CF202	1-567-389-11	FILTER, CERAMIC (10.7MHz)			
CF203	1-567-389-11	FILTER, CERAMIC (10.7MHz)			
CF204	1-567-389-11	FILTER, CERAMIC (10.7MHz)			
CF301	1-567-250-11	OSCILLATOR, CERAMIC (18.95kHz)			
CF401	1-527-981-00	FILTER, CERAMIC			
CF402	1-527-826-00	FILTER, CERAMIC			
CN301	*1-535-114-00	(WG, IT)....TERMINAL			
CN701	*1-560-064-00	PIN, CONNECTOR 6P			
CN901	*1-564-321-00	PIN, CONNECTOR 2P			
CN902	*1-564-687-11	PIN, CONNECTOR 3P			
CNP351	*1-562-999-21	JACK, PIN 2P (OUTPUT)			
⚠CNP901	.1-574-804-11	(UK)....CORD, POWER			
⚠CNP901	.1-574-805-11	(WG, IT)....CORD, POWER			
CP801	1-233-124-11	COMPOSITION CIRCUIT BLOCK			
D191	8-719-000-26	(WG, IT)....DIODE US1060M			
D251	8-719-000-26	DIODE US1060M			
D282	8-719-000-26	DIODE US1060M			
D283	8-719-000-26	DIODE US1060M			
D301	8-719-000-26	DIODE US1060M			
D302	8-719-000-26	DIODE US1060M			
D303	8-719-000-26	DIODE US1060M			
D304	8-719-000-26	DIODE US1060M			
D305	8-719-000-26	DIODE US1060M			
D306	8-719-000-26	DIODE US1060M			
D307	8-719-000-26	DIODE US1060M			
D308	8-719-000-26	DIODE US1060M			
D354	8-719-000-26	DIODE US1060M			
D371	8-719-000-26	DIODE US1060M			
D401	8-719-000-26	DIODE US1060M			
D651	8-719-000-26	DIODE US1060M			
D701	8-719-200-77	DIODE 10E2N			
D702	8-719-200-77	DIODE 10E2N			
D703	8-719-200-77	DIODE 10E2N			
D704	8-719-200-77	DIODE 10E2N			
D707	8-719-200-77	DIODE 10E2N			
D708	8-719-102-14	DIODE RD24E-L2			
D709	8-719-933-57	DIODE HZS9B2L			
D710	8-719-000-26	DIODE US1060M			
D801	8-719-000-26	DIODE US1060M			

Ref.No	Part No.	Description
D802	8-719-000-26	DIODE US1060M
D803	8-719-933-57	DIODE HZS9B2L
D804	8-719-000-26	DIODE US1060M
D805	8-719-000-26	DIODE US1060M
D806	8-719-000-26	DIODE US1060M
D807	8-719-000-26	DIODE US1060M
D808	8-719-000-26	DIODE US1060M
D809	8-719-000-26	DIODE US1060M
D811	8-719-000-26	DIODE US1060M
D812	8-719-000-26	DIODE US1060M
D813	8-719-000-26	DIODE US1060M
D814	8-719-000-26	(IT)....DIODE US1060M
D815	8-719-000-26	DIODE US1060M
FE150	1-465-219-11	(UK)....FRONT END (FM)
FE150	1-463-857-11	(WG, IT)....FRONT END (FM)
FE401	1-235-936-11	ENCAPSULATED COMPONENT (MW)
FE451	1-236-028-11	ENCAPSULATED COMPONENT (LW)
FL801	1-519-500-11	INDICATOR TUBE, FLUORESCENT
IC201	8-759-812-35	IC LA1235
IC301	8-759-802-57	IC CXA1064S
IC401	8-759-812-45	IC LA1245
IC501	8-757-925-20	IC CX7925B
IC701	8-759-820-09	IC LA5667
IC801	8-759-143-76	IC UPD75208CW-274
IC802	8-759-800-95	IC LB1493
IFT251	1-404-845-11	COIL, DISCRI (PRIMARY)
IFT252	1-404-846-11	COIL, DISCRI (SECONDARY)
IFT401	1-404-326-00	TRANSFORMER, IF (AM)
L251	1-410-780-11	INDUCTOR 27MMH
L252	1-410-780-11	INDUCTOR 27MMH
L451	1-410-525-11	INDUCTOR 220UH
LP381	1-236-541-11	FILTER, LOW PASS
LP391	1-236-541-11	FILTER, LOW PASS
PT901 ⚠	1-449-504-11	TRANSFORMER, POWER
Q191	8-729-900-89	(WG,IT)..... TRANSISTOR DTC144ES
Q201	8-729-216-13	TRANSISTOR 2SK161-GR
Q202	8-729-266-93	TRANSISTOR 2SC2669
Q203	8-729-266-93	TRANSISTOR 2SC2669
Q204	8-729-266-93	TRANSISTOR 2SC2669
Q205	8-729-266-93	TRANSISTOR 2SC2669
Q251	8-729-178-54	TRANSISTOR 2SC2785
Q252	8-729-900-89	TRANSISTOR DTC144ES
Q253	8-729-201-56	TRANSISTOR 2SK246GR2
Q254	8-729-178-54	TRANSISTOR 2SC2785
Q255	8-729-900-89	TRANSISTOR DTC144ES
Q281	8-729-107-91	TRANSISTOR 2SC3622
Q282	8-729-900-89	TRANSISTOR DTC144ES
Q301	8-729-178-54	TRANSISTOR 2SC2785
Q302	8-729-900-89	TRANSISTOR DTC144ES
Q371	8-729-201-56	TRANSISTOR 2SK246GR2
Q372	8-729-201-56	TRANSISTOR 2SK246GR2
Q373	8-729-900-89	TRANSISTOR DTC144ES
Q374	8-729-900-89	TRANSISTOR DTC144ES
Q381	8-729-107-91	TRANSISTOR 2SC3622
Q391	8-729-107-91	TRANSISTOR 2SC3622
Q401	8-729-201-56	TRANSISTOR 2SK246GR2
Q402	8-729-900-89	TRANSISTOR DTC144ES
Q451	8-729-107-91	TRANSISTOR 2SC3622
Q452	8-729-900-89	TRANSISTOR DTC144ES
Q453	8-729-216-13	TRANSISTOR 2SK161-GR
Q454	8-729-900-89	TRANSISTOR DTC144ES
Q455	8-729-900-89	TRANSISTOR DTC144ES
Q456	8-729-900-89	TRANSISTOR DTC144ES

Note: The components identified by mark ⚠ or dotted line with mark ⚠ are critical for safety.
Replace only with part number specified.

Ref.No	Part No.	Description				
R530	1-249-415-11	CARBON	680	5%	1/4W	
R551	1-249-429-11	CARBON	10K	5%	1/4W	
R552	1-249-414-11	CARBON	560	5%	1/4W	
R553	1-249-418-11	CARBON	1.2K	5%	1/4W	
R554	1-249-411-11	CARBON	330	5%	1/4W	
R555	1-249-437-11	CARBON	47K	5%	1/4W	
R556	1-249-427-11	CARBON	6.8K	5%	1/4W	
R557	1-249-425-11	CARBON	4.7K	5%	1/4W	
R651	1-249-404-00	CARBON	82	5%	1/4W	
R652	1-249-429-11	CARBON	10K	5%	1/4W	
R701 ⚠	1-212-865-00	FUSIBLE	22	5%	1/4W	F
R703	1-249-437-11	CARBON	47K	5%	1/4W	
R706 ⚠	1-247-751-11	CARBON	820	5%	1/2W	F
R707	1-249-437-11	CARBON	47K	5%	1/4W	
R708	1-249-433-11	CARBON	22K	5%	1/4W	
R709	1-249-429-11	CARBON	10K	5%	1/4W	
R710	1-249-433-11	CARBON	22K	5%	1/4W	
R751	1-249-423-11	CARBON	3.3K	5%	1/4W	
R752	1-249-433-11	CARBON	22K	5%	1/4W	
R753	1-249-433-11	CARBON	22K	5%	1/4W	
R801	1-249-441-11	CARBON	100K	5%	1/4W	
R802	1-249-441-11	CARBON	100K	5%	1/4W	
R803	1-249-437-11	CARBON	47K	5%	1/4W	
R804	1-249-437-11	CARBON	47K	5%	1/4W	
R805	1-249-437-11	CARBON	47K	5%	1/4W	
R807	1-249-439-11	CARBON	68K	5%	1/4W	
R808	1-249-401-11	CARBON	47	5%	1/4W	
R809	1-249-417-11	CARBON	1K	5%	1/4W	
R810	1-247-895-00	CARBON	470K	5%	1/4W	
R811	1-249-433-11	CARBON	22K	5%	1/4W	
R812	1-249-441-11	CARBON	100K	5%	1/4W	
R813	1-249-441-11	CARBON	100K	5%	1/4W	
R814	1-249-441-11	CARBON	100K	5%	1/4W	
R815	1-249-441-11	CARBON	100K	5%	1/4W	
R816	1-249-441-11	CARBON	100K	5%	1/4W	
R817	1-249-441-11	CARBON	100K	5%	1/4W	
R818	1-249-429-11	CARBON	10K	5%	1/4W	
R819	1-249-426-11	CARBON	5.6K	5%	1/4W	
R824	1-249-436-11	CARBON	39K	5%	1/4W	
R825	1-249-436-11	CARBON	39K	5%	1/4W	
R826	1-249-434-11	CARBON	27K	5%	1/4W	
R827	1-249-431-11	CARBON	15K	5%	1/4W	
R828	1-249-431-11	CARBON	15K	5%	1/4W	
R830	1-249-441-11	CARBON	100K	5%	1/4W	
R850	1-249-441-11	CARBON	100K	5%	1/4W	
R851	1-249-441-11	CARBON	100K	5%	1/4W	
R852	1-249-441-11	CARBON	100K	5%	1/4W	
R853	1-249-441-11	CARBON	100K	5%	1/4W	
R854	1-249-441-11	CARBON	100K	5%	1/4W	
RV251	1-237-461-21	RES, ADJ, CARBON 50K				
RV252	1-237-459-21	RES, ADJ, CARBON 10K				
RV253	1-237-463-21	RES, ADJ, CARBON 200K				
RV301	1-237-464-11	RES, ADJ, CARBON 500K				
RV302	1-237-464-11	RES, ADJ, CARBON 500K				
RV303	1-237-460-21	RES, ADJ, CARBON 20K				
RV402	1-237-463-21	RES, ADJ, CARBON 200K				
RV801	1-466-067-11	ENCORDER, ROTALY (TUNING)				
RY191	1-515-614-11	(WG, IT)....RELAY				
RY651	1-515-614-11	RELAY				
S802	1-554-303-21	SWITCH, KEY BOARD (CAL TONE)				
S803	1-554-303-21	SWITCH, KEY BOARD (TUNE MODE)				
S804	1-554-303-21	SWITCH, KEY BOARD (MUTING)				
S805	1-554-303-21	SWITCH, KEY BOARD (HI-BLEND)				
S806	1-554-303-21	SWITCH, KEY BOARD (FM MODE)				

Ref.No	Part No.	Description
S807	1-554-303-21	SWITCH, KEY BOARD (FM/MW/LW)
S808	1-554-303-21	SWITCH, KEY BOARD (MEMORY)
S809	1-554-303-21	SWITCH, KEY BOARD (SHIFT)
S810	1-554-303-21	SWITCH, KEY BOARDP (PRESET/TUNIG)
S811	1-554-303-21	SWITCH, KEY BOARD (1)
S812	1-554-303-21	SWITCH, KEY BOARD (2)
S813	1-554-303-21	SWITCH, KEY BOARD (3)
S814	1-554-303-21	SWITCH, KEY BOARD (4)
S815	1-554-303-21	SWITCH, KEY BOARD (5)
S816	1-554-303-21	SWITCH, KEY BOARD (6)
S817	1-554-303-21	SWITCH, KEY BOARD (7)
S818	1-554-303-21	SWITCH, KEY BOARD (8)
S819	1-554-303-21	SWITCH, KEY BOARD (9)
S820	1-554-303-21	SWITCH, KEY BOARD (0)
S891	1-572-049-11	(WG, IT)....SWITCH, PUSH (1 KEY) (ANT ATT)
S901 ⚠	1-554-920-11	SWITCH, PUSH (AC POWER)(1 KEY) (POWER)
TH201	1-807-796-11	THERMISTOR (10k)
TM101	1-537-155-11	TERMINAL BOARD (ANT)
TP251	*1-560-060-00	PIN, CONNECTOR 2P (NULL)
TP801	*1-560-060-00	PIN, CONNECTOR 2P (BACK UP)
XT501	1-567-826-21	VIBRATOR, CRYSTAL (7.2MHz)
XT801	1-577-101-11	VIBRATOR, CERAMIC (4.19MHz)

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ACCESSORY & PACKING MATERIAL

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	1-417-090-00	TRANSFORMER, ANTENNA MATCHING
	1-501-224-00	ANTENNA, FEEDER
	1-501-349-11	ANTENNA, LOOP
	1-558-543-11	CORD, CONNECTION
	3-786-265-11	(UK)....MANUAL, INSTRUCTION
	3-786-265-41	(WG, IT)....MANUAL, INSTRUCTION
	*4-915-426-01	CUSHION
	*4-923-448-11	INDIVIDUAL CARTON

Note: The components identified by mark ⚠ or dotted line with mark ⚠ are critical for safety.
Replace only with part number specified.

9-953-750-21

Sony Corporation
Audio Group

English
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Ref.No	Part No.	Description
Q457	8-729-900-89	TRANSISTOR DTC144ES
Q458	8-729-900-89	TRANSISTOR DTC144ES
Q459	8-729-178-54	TRANSISTOR 2SC2785
Q521	8-729-203-05	TRANSISTOR 2SK30AGR3
Q522	8-729-600-65	TRANSISTOR 2SC634SP-48
Q551	8-729-203-05	TRANSISTOR 2SK30AGR3
Q552	8-729-600-65	TRANSISTOR 2SC634SP-48
Q651	8-729-178-54	TRANSISTOR 2SC2785
Q702	8-729-173-38	TRANSISTOR 2SA733-K
Q751	8-729-900-89	TRANSISTOR DTC144ES
Q752	8-729-178-54	TRANSISTOR 2SC2785
Q753	8-729-173-38	TRANSISTOR 2SA733-K
Q801	8-729-178-54	TRANSISTOR 2SC2785

RESISTOR

Ref.No	Part No.	Description			
R150	1-249-399-11	CARBON	33	5%	1/4W
R151	1-249-437-11	CARBON	47K	5%	1/4W
R152	1-249-433-11	CARBON	22K	5%	1/4W
R191	1-247-802-11	(WG, IT).... CARBON	62	5%	1/4W
R192	1-247-802-11	(WG, IT).... CARBON	62	5%	1/4W
R193	1-249-395-11	(WG, IT).... CARBON	15	5%	1/4W
R194	1-249-404-00	(WG, IT).... CARBON	82	5%	1/4W
R201	1-249-409-11	CARBON	220	5%	1/4W
R202	1-249-412-11	CARBON	390	5%	1/4W
R203	1-249-405-11	CARBON	100	5%	1/4W
R204	1-249-411-11	CARBON	330	5%	1/4W
R205	1-249-411-11	CARBON	330	5%	1/4W
R206	1-249-411-11	CARBON	330	5%	1/4W
R207	1-249-431-11	CARBON	15K	5%	1/4W
R208	1-249-410-11	CARBON	270	5%	1/4W
R209	1-249-411-11	CARBON	330	5%	1/4W
R210	1-249-434-11	CARBON	27K	5%	1/4W
R211	1-249-405-11	CARBON	100	5%	1/4W
R212	1-249-405-11	CARBON	100	5%	1/4W
R213	1-249-411-11	CARBON	330	5%	1/4W
R214	1-249-431-11	CARBON	15K	5%	1/4W
R215	1-249-410-11	CARBON	270	5%	1/4W
R216	1-249-411-11	CARBON	330	5%	1/4W
R217	1-249-434-11	CARBON	27K	5%	1/4W
R250	1-249-411-11	CARBON	330	5%	1/4W
R251	1-249-437-11	CARBON	47K	5%	1/4W
R252	1-249-439-11	CARBON	68K	5%	1/4W
R253	1-249-429-11	CARBON	10K	5%	1/4W
R254	1-249-421-11	CARBON	2.2K	5%	1/4W
R255	1-249-437-11	CARBON	47K	5%	1/4W
R256	1-247-903-00	CARBON	1M	5%	1/4W
R257	1-249-434-11	CARBON	27K	5%	1/4W
R258	1-249-432-11	CARBON	18K	5%	1/4W
R259	1-249-424-11	CARBON	3.9K	5%	1/4W
R260	1-249-422-11	CARBON	2.7K	5%	1/4W
R261	1-249-437-11	CARBON	47K	5%	1/4W
R262	1-249-433-11	CARBON	22K	5%	1/4W
R263	1-249-406-11	CARBON	120	5%	1/4W
R264	1-249-438-11	CARBON	56K	5%	1/4W
R265	1-249-437-11	CARBON	47K	5%	1/4W
R266	1-247-895-00	CARBON	470K	5%	1/4W
R267	1-249-409-11	CARBON	220	5%	1/4W
R268	1-249-393-11	CARBON	10	5%	1/4W
R269	1-249-429-11	CARBON	10K	5%	1/4W
R281	1-249-441-11	CARBON	100K	5%	1/4W
R301	1-247-848-11	CARBON	5.1K	5%	1/4W
R302	1-249-431-11	CARBON	15K	5%	1/4W

Ref.No	Part No.	Description			
R304	1-249-429-11	CARBON	10K	5%	1/4W
R305	1-249-434-11	(WG, IT).... CARBON	27K	5%	1/4W
R305	1-249-435-11	(UK)....CARBON	33K	5%	1/4W
R306	1-247-883-00	(WG, IT).... CARBON	150K	5%	1/4W
R306	1-247-881-00	(UK)....CARBON	120K	5%	1/4W
R307	1-249-399-11	CARBON	33	5%	1/4W
R308	1-247-883-00	(WG, IT).... CARBON	150K	5%	1/4W
R308	1-247-881-00	(UK)....CARBON	120K	5%	1/4W
R309	1-249-399-11	CARBON	33	5%	1/4W
R310	1-249-441-11	CARBON	100K	5%	1/4W
R311	1-249-441-11	CARBON	100K	5%	1/4W
R312	1-249-405-11	CARBON	100	5%	1/4W
R313	1-249-437-11	CARBON	47K	5%	1/4W
R371	1-249-437-11	CARBON	47K	5%	1/4W
R372	1-249-437-11	CARBON	47K	5%	1/4W
R373	1-247-903-00	CARBON	1M	5%	1/4W
R374	1-247-903-00	CARBON	1M	5%	1/4W
R375	1-249-429-11	CARBON	10K	5%	1/4W
R381	1-249-419-11	CARBON	1.5K	5%	1/4W
R382	1-249-427-11	CARBON	6.8K	5%	1/4W
R384	1-249-417-11	CARBON	1K	5%	1/4W
R391	1-249-419-11	CARBON	1.5K	5%	1/4W
R392	1-249-427-11	CARBON	6.8K	5%	1/4W
R394	1-249-417-11	CARBON	1K	5%	1/4W
R401	1-249-437-11	CARBON	47K	5%	1/4W
R402	1-249-419-11	CARBON	1.5K	5%	1/4W
R403	1-249-409-11	CARBON	220	5%	1/4W
R404	1-249-413-11	CARBON	470	5%	1/4W
R405	1-249-429-11	CARBON	10K	5%	1/4W
R406	1-249-430-11	CARBON	12K	5%	1/4W
R407	1-249-429-11	CARBON	10K	5%	1/4W
R408	1-247-903-00	CARBON	1M	5%	1/4W
R409	1-249-429-11	CARBON	10K	5%	1/4W
R410	1-249-409-11	CARBON	220	5%	1/4W
R411	1-249-404-00	CARBON	82	5%	1/4W
R412	1-249-407-11	CARBON	150	5%	1/4W
R413	1-249-424-11	CARBON	3.9K	5%	1/4W
R414	1-249-429-11	CARBON	10K	5%	1/4W
R415	1-249-429-11	CARBON	10K	5%	1/4W
R416	1-249-417-11	CARBON	1K	5%	1/4W
R419	1-249-422-11	CARBON	2.7K	5%	1/4W
R451	1-249-437-11	CARBON	47K	5%	1/4W
R452	1-249-433-11	CARBON	22K	5%	1/4W
R453	1-247-903-00	CARBON	1M	5%	1/4W
R454	1-249-417-11	CARBON	1K	5%	1/4W
R455	1-249-429-11	CARBON	10K	5%	1/4W
R456	1-249-441-11	CARBON	100K	5%	1/4W
R457	1-249-417-11	CARBON	1K	5%	1/4W
R458	1-249-441-11	CARBON	100K	5%	1/4W
R459	1-249-423-11	CARBON	3.3K	5%	1/4W
R501	1-249-429-11	CARBON	10K	5%	1/4W
R502	1-249-429-11	CARBON	10K	5%	1/4W
R503	1-249-429-11	CARBON	10K	5%	1/4W
R504	1-249-400-11	CARBON	39	5%	1/4W
R505	1-249-408-11	CARBON	180	5%	1/4W
R521	1-249-414-11	CARBON	560	5%	1/4W
R522	1-249-414-11	CARBON	560	5%	1/4W
R523	1-249-418-11	CARBON	1.2K	5%	1/4W
R524	1-249-411-11	CARBON	330	5%	1/4W
R525	1-249-420-11	CARBON	1.8K	5%	1/4W
R526	1-249-427-11	CARBON	6.8K	5%	1/4W
R528	1-249-425-11	CARBON	4.7K	5%	1/4W
R529	1-249-425-11	CARBON	4.7K	5%	1/4W